



11-21-05

*[Handwritten signature]*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Rajiv SHAH, et al                      Examiner: Long Pham  
Serial No.: 10/671,996                      Group Art Unit: 2814  
Filed: September 26, 2003                      Docket: 047711/0319  
Title: HIGH RELIABILITY MULTILAYER CIRCUIT SUBSTRATES AND METHODS FOR  
THEIR FORMATION

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described herein, are being deposited in the United States Postal Service, as Express Mail (EV445623125US) with sufficient postage, in an envelope addressed to: Mail Stop Amendment Commissioner for Patents, Alexandria VA 22313 on November 18, 2005

By: *Richard Ruggiero*  
Richard Ruggiero

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313  
Sir:

We are transmitting herewith the attached:

- ☒ Information Disclosure Statement Transmittal
- ☒ Form PTO/SB/08
- ☒ Cited References (4)
- ☒ Copy of European search report
- ☒ Return postcard

Please charge any fees associated with this transmittal to Deposit Account No 50-0872.

Date: November 18, 2005  
FOLEY & LARDNER LLP  
2029 Century Park East  
35<sup>th</sup> Floor  
Los Angeles, CA 90067-3021  
1-310-277-2223 Office  
1-310-557-8475 Fax

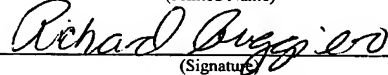
By: *[Signature]*  
Name: Ted Rittmaster  
Reg. No.: 32,933  
TRR/rsr



Atty. Dkt. No. 047711-0319

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Rajiv SHAH, et al.  
Title: HIGH RELIABILITY  
MULTILAYER CIRCUIT  
SUBSTRATES AND METHODS  
FOR THEIR FORMATION  
Appl. No.: 10/671,996  
Filing Date: 09/26/2003  
Examiner: Long Pham  
Art Unit: 2814

|  |                   |
|--|-------------------|
| <b>CERTIFICATE OF EXPRESS MAILING</b>  |                   |
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| Richard Ruggiero   |                   |
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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**STATEMENT**

The undersigned hereby states in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to filing of this Statement.

The undersigned hereby states in accordance with 37 CFR §1.704(d) that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or

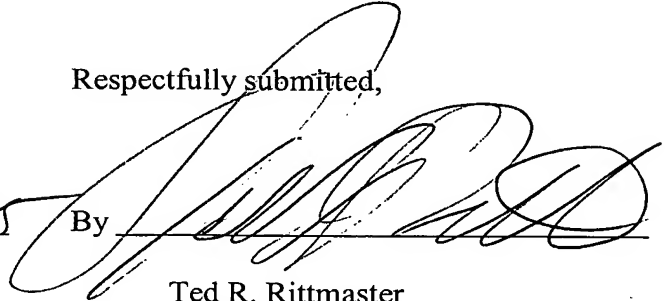
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Respectfully submitted,

Date

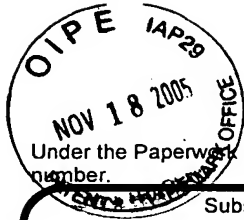
November 18, 2005

By



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MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: November 18, 2005

(use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

|                        |             |
|------------------------|-------------|
| Application Number     | 10/671,996  |
| Filing Date            | 09/26/2003  |
| First Named Inventor   | Rajiv Shah  |
| Group Art Unit         | 2814        |
| Examiner Name          | Long Pham   |
| Attorney Docket Number | 047711-0319 |

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
|                    |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
|                    | A1                    | 6,262,376            |                                   | Hurwitz et al.                                  | 07/17/2001                                       |   |
|                    | A2                    | US2002/12228<br>3 A1 |                                   | Higashi Mitsutoshi et al..                      | 09/05/2002                                       |   |
|                    |                       |                      |                                   |   |  |   |
|                    |                       |                      |                                   |   |  |   |
|                    |                       |                      |                                   |   |  |   |
|                    |                       |                      |                                   |   |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                   | Name of Patentee or Applicant of Cited Documents | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|-------------------------|---------------------|-----------------------------------|--|--|---|----------------|
|                    |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |  |  |   |                |
|                    | A3                    | EP                      | 1 096 838           |                                   | Microcoating Technologies                        | 05/02/2001                                       |   |                |
|                    | A4                    | EP                      | 0 713 358           |                                   | International Business Machines, Corp.           | 05/22/1996                                       |   |                |
|                    |                       |                         |                     |                                   |  |  |   |                |
|                    |                       |                         |                     |                                   |  |  |   |                |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
|--------------------|-----------------------|--|----------------|
|                    | A3                    | EP Search Report as issued in International Application Number 03754668.6 2214, Mailing date October 24, 2005.   |                |
|                    |                       |  |                |
|                    |                       |  |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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